

STATUS OF THE CLAIMS:

The following is the status of the claims of the above-captioned application, as amended.

1. (Previously presented) A composition comprising an enzyme encapsulated in a uni-lamellar or multi-lamellar vesicle, wherein the vesicle comprises at least 50% of a synthetic polymer as a vesicle forming agent; and wherein the synthetic polymer is a di- or tri-block-co-polymer composed of monomers selected from the group consisting of ethyleneoxide, propyleneoxide, ethylethylene, acrylic acid and vinyl amine.
2. (Previously presented) A composition comprising a surfactant and at least one enzyme encapsulated in a uni-lamellar or multi-lamellar vesicle, wherein the vesicle comprises at least 50% of a synthetic polymer as a vesicle forming agent; and wherein the synthetic polymer is a di- or tri-block-co-polymer composed of monomers selected from the group consisting of ethyleneoxide, propyleneoxide, ethylethylene, acrylic acid and vinyl amine.
3. (Canceled)
4. (Previously presented) The composition of claim 2, wherein the composition is a detergent.
5. (Previously presented) A method comprising the steps of:
 - (a) encapsulating at least one enzyme in a uni-lamellar or multi-lamellar vesicle, and
 - (b) adding the vesicle to a surfactant containing composition,wherein the vesicle comprises at least 50% of a synthetic polymer as a vesicle forming agent; and wherein the synthetic polymer is a di- or tri-block-co-polymer composed of monomers selected from the group consisting of ethyleneoxide, propyleneoxide, ethylethylene, acrylic acid and vinyl amine.
6. (Previously presented) A method for preventing an enzyme from reacting with other compounds, comprising encapsulating at least one enzyme in a uni-lamellar or multi-lamellar vesicle, wherein the vesicle comprises at least 50% of a synthetic polymer as a

vesicle forming agent; and wherein the synthetic polymer is a di- or tri-block-co-polymer composed of monomers selected from the group consisting of ethyleneoxide, propyleneoxide, ethylethylene, acrylic acid and vinyl amine.

7. (Canceled)

8. (Previously presented) A method for improving the stability of an enzyme, comprising encapsulating the enzyme in a uni-lamellar or multi-lamellar vesicle, wherein the vesicle comprises at least 50% of a synthetic polymer as a vesicle forming agent; and wherein the synthetic polymer is a di- or tri-block-co-polymer composed of monomers selected from the group consisting of ethyleneoxide, propyleneoxide, ethylethylene, acrylic acid and vinyl amine.

9. (Canceled)

10. (Previously presented) A composition comprising an enzyme encapsulated in a uni-lamellar or multi-lamellar vesicle, wherein the vesicle comprises at least 50% of a synthetic polymer as a vesicle forming agent.

11. (Previously presented) A composition comprising a surfactant and at least one enzyme encapsulated in a uni-lamellar or multi-lamellar vesicle, wherein the vesicle comprises at least 50% of a synthetic polymer as a vesicle forming agent.

12. (Canceled)

13. (Previously presented) The composition of claim 11, wherein the composition is a detergent.

14. (Previously presented) A method comprising the steps of:
(a) encapsulating at least one enzyme in a uni-lamellar or multi-lamellar vesicle,
and
(b) adding the vesicle to a surfactant containing composition,
wherein the vesicle comprises at least 50% of a synthetic polymer as a vesicle forming agent.

15. (Previously presented) A method for preventing an enzyme from reacting with other compounds, comprising encapsulating the enzyme compound in a uni-lamellar or multi-lamellar vesicle, wherein the vesicle comprises at least 50% of a synthetic polymer as a vesicle forming agent.

16. (Canceled)

17. (Previously presented) A method for improving the stability of an enzyme, comprising encapsulating the enzyme in a uni-lamellar or multi-lamellar vesicle, wherein the vesicle comprises at least 50% of a synthetic polymer as a vesicle forming agent.

18. (Canceled)

19. (Previously presented) The composition of claim 11, wherein the synthetic polymer is an amphiphilic block-co-polymer; and wherein each domain of the block-co-polymer consists of at least 10 monomers.

20. (Previously presented) The composition of claim 19, wherein the block-co-polymer is a di- or tri-block-co-polymer.

21. (Previously presented) The composition of claim 19, wherein the block-co-polymer is a polymer of the monomer-classes ethyleneoxide, propyleneoxide, ethylethylene, acrylic acid, and vinyl amine.

22. (Previously presented.) The composition of anyone of claim 19, wherein each domain of the block-co-polymer is a homopolymer.

23. (Previously presented) The composition of claim 11, wherein the uni-lamellar or multi-lamellar vesicle is an aqueous compartment enclosed by a membrane comprising one or more layers, where the layers have an inner hydrophobic domain and an outer hydrophilic domain.